

Earth. Publish'd some Years since by the Learned Dr. Burnet. Written by John Beaumont, jun. Gent. in 4to. 1693. Lond. 3. Epistola ad Regiam Societatem Londinensem qua de nuperis Terræ-motibus differitur, &c. in 4to. Lond. 1693. 4. Traité des moyens de rendre les Riviers navigables, &c. a Paris, in 8o. 1693.

I. *The Extract of a Letter from Lisle in Flanders, May 25. N.S. 1686. giving an Account of an unusual Storm of Hail which fell there.*

— — — **T**here fell in this City Hail of so great a bigness, that the least exceeded Pigeons Eggs. Several of them were weighed, and were some a quarter of a Pound, others of a Pound Weight and more. One among the rest was observed to contain a dark brown matter in the middle thereof; and being thrown into the Fire, it gave a very great Report. Others were transparent, which melted before the Fire immediately. This Storm passed over the Cittadel and Town, and left not a whole Glass in the Windows on the windward side. The Trees were broken, and some beat down, and the Partridges and Hares killed in abundance.

II. *Observatio Solaris Eclipsis habita Die 12. Iulii, 1684. Bononiæ, à Cl. V. Dono. Dominico Gulielmino.*

Desumebant Solis à Vertice Distantias D. D. Jo. Ludovicus Donellus & Nicolaus Ignatius Joannetus; Phasibus determinandis tres aderamus, D.D. Jo. Galeatus Manzius, Hercules Vanottus & Ego. Observaciones scribebat D. Gregorius Malisardus; horas vero in horologio notabat D. Bartolomæus Ferrarius.

Horæ

Horæ horologii automati p. m. Diei 12.	Horæ erutæ ex distanti- is observatis centri solis à Vertice.	Distantiæ Centri fo- lis à Verti- ce.	Phases.
Hor. 3. 20. 00. 3. 34.	—	—	Eclipsis apparente so- le inter nubes. Quan- titas obscurationis. dig. 2. 30.
3. 37. 30.			dig. 3.
3. 48. 14.	3. 47. 47.	gr. 51. 31.	dig. 4. 20. dubia ubiq;
3. 52. 00.	3. 56. 2.	gr. 52. 58.	dig. 5. optima.
3. 57. 00.	4. 2. 29.	gr. 54. 10.	dig. 5. 30.
4. 2. 00.	4. 5. 59.	gr. 54. 44.	dig. 6.
4. 4. 45.	4. 9. 1.	gr. 55. 17.	dig. 6. 30. optima.
4. 9. 20.	4. 15. 43.	gr. 56. 28.	dig. 7. exacta.
4. 14. 40.	4. 28. 42.	gr. 58. 39.	dig. 7.
4. 19. 00.	4. 34. 20.		dig. 7. 20. dubia.
4. 27. 44.			dig. 7. 20.
4. 32. 35.			dig. 7. satis exacta.
4. 34. 20.			dig. 6. 45.
4. 44. 30.			dig. 6. 30.
4. 47. 15.			dig. 6. 30.
4. 51. 30.			dig. 6. optima.
4. 54. 38.	4. 53. 53.	gr. 63. 16.	dig. 5. 30. exacta..
4. 58. 2.	4. 57. 38.	gr. 63. 56.	dig. 5. exacta.
5. 1. 55.	5. 1. 2.	gr. 64. 32.	dig. 4. 30. satis exacta.
5. 4. 40.	5. 5. 28.	gr. 65. 19.	dig. 4. diligens ubiq;
5. 7. 0.	5. 6. 23.	gr. 65. 28.	dig. 3. 30. exacta.
5. 10. 30.	5. 9. 9.	gr. 65. 58.	dig. 3. exacta.
5. 12. 35.	5. 13. 28.	gr. 66. 43.	dig. 2. 30. satis exacta.
5. 16. 15.	5. 16. 14.	gr. 67. 13.	dig. 2. exacta.
5. 19. 50.	5. 20. 24.	gr. 67. 57.	dig. 1. 30. exacta.
5. 22. 30.	5. 23. 21.	gr. 68. 28.	dig. 1. exacta.
5. 25. 0.	5. 25. 14.	gr. 68. 48.	dig. 0. 30. diligens.
5. 27. 40.	5. 28. 7.	gr. 69. 18.	dig. 0. accuratissima.

Circa observationes ab initio Eclipsis usque ad medium circiter, eas quidem præter unam, aut alteram, omnis erroris expertes esse non ausim affirmare ; intercurrentibus enim identidem nubibus Solis species nonnihil minor & pallidior reddebat, unde non omnimoda certitudo promitti potest. A medio autem Eclipsis ad finem usq; cum nullis nubibus Sol impeditetur, obseruationes certiores sunt & diligentius habitæ.

Notabile fuit ; cum quantitas Eclipsis fuerit dig. 7. 20. quod non modicam aëris offuscationem debebat inducere, ut aliàs multoties in consimilibus defectibus observatum est ; nihilominus tamen vix sensibiliter consuetum in sole libero aëris statum mutatum fuisse ; unde plurimis solem non respicientibus orta suspicio, aut solem non defecisse, aut minimum quidem ; cuius quidem rei non alia mihi videtur assignanda causa, quam ingens vis nubium à Sole maxime illuminatarum, quæ non multum. ab eo distabant ; ab his enim solis radius per reflexionem, & refractionem multiplicatus certè intensior redditus deficientem aliundè splendorem potuit compensare : sic aliquando videmus præsertim occidente Sole nubes adeo illuminatas esse, ut post ejus etiam occasum, vividissimam lucem effundant, quinimo etiam umbras non semel projiciant.